In the Claims:

Please amend claims 3 and 5. The claims 1 are as follows.

1. (Previously presented) A method for managing a cache, comprising the acts of:

analyzing information stored in a caching profile; and

responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality of caching algorithms;

wherein the act of analyzing is performed by a predictive modeling engine.

2. (Canceled)

3. (Currently amended) A method for managing a cache, comprising the acts of:

updating a caching profile in response to arrival of a file at the cache;

responsive to the act of updating, analyzing information stored in the caching profile; and

responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality of caching algorithm.

4. (Original) The method of claim 3, wherein the act of analyzing is performed by a predictive modeling engine.

5. (Currently amended) A method for managing a cache, comprising the acts of:

responsive to arrival of a file at [[a]] the cache, analyzing information stored in a caching

profile by computing a plurality of metrics; and

responsive to a comparison of the metrics one with another, selecting a preferred caching algorithm from a plurality of caching algorithms.

6. (Original) The method of claim 5, wherein the plurality of metrics includes clustering metrics.

7. (Original) The method of claim 5, wherein the plurality of metrics includes scattering metrics.

8. (Original) The method of claim 5, wherein the plurality of caching algorithms includes a least-used caching algorithm, a most-used caching algorithm, a least-recently-used caching algorithm, and a most-recently-used caching algorithm.

9. (Previously presented) The method of claim 5, wherein the act of analyzing is performed by a predictive modeling engine.